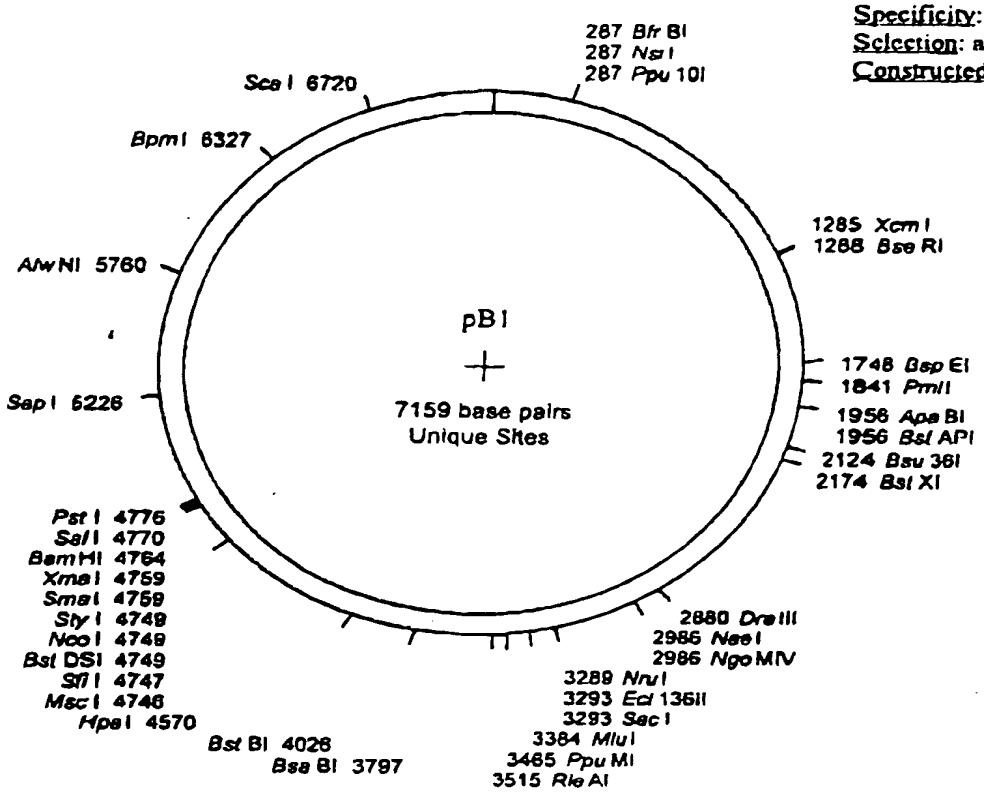
pB1

Alias: pAS2DD
Application: 2HY (bait)
Backbone:
Specificity:
Selection: ampicillin
Constructed by:



Oligo 160

gagagtagtaacaaaggtc AAAGACAGTTGACTGTATCGCCG GAA TTT AT

Sfi I **Sma I** **BamH I** **Sal I** **Pst I**

G GCC ATG GAG GCC CCG GGG ATC CGT CGA CCT GCA GCC

Nco I

Oligo 161

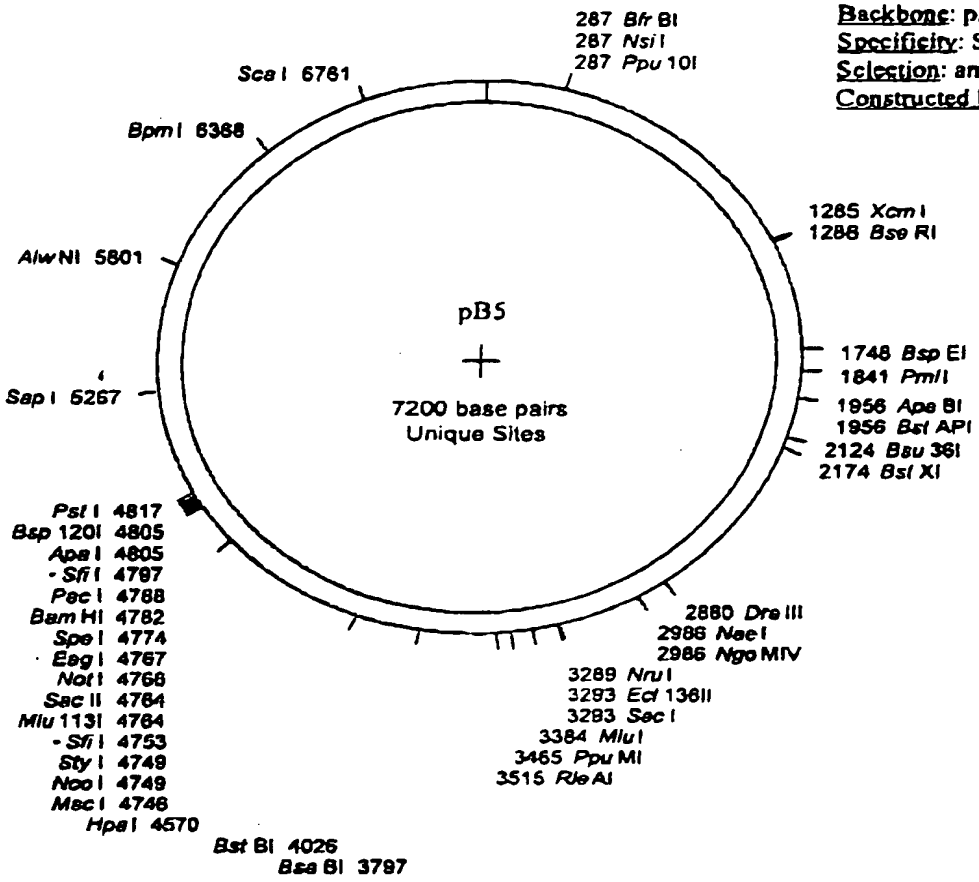
AAG CTA ATT ccgggcgaatttcttatg

Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'
Oligo 161 5' CATAAGAAATTCGCCCGG 3'

FIGURE 1

pB5[2]

Alias: pAS2DDNS1
Application: 2HY (bait)
Backbone: pAS2DD
Specificity: Sfi non-oriented
Selection: ampicillin
Constructed by: SW



Oligo 160

gagagtagtaacaaaggtc AAAGACAGTTGACTGTATCGCCG GAA TTT ATG

Sfi I **Sac II** **Spe I** **Bam HI**

GCC ATG GCC GCA GGG GCC GCG GCC GCA CTA GTG GGG ATC C

Nco I **Not I**

STOP **Sfi I** **Pst I**

TT AAT TAA GGG CCA CTG GGG CCC CTC GAC CTG CAG CCA

Pac I

Oligo 161

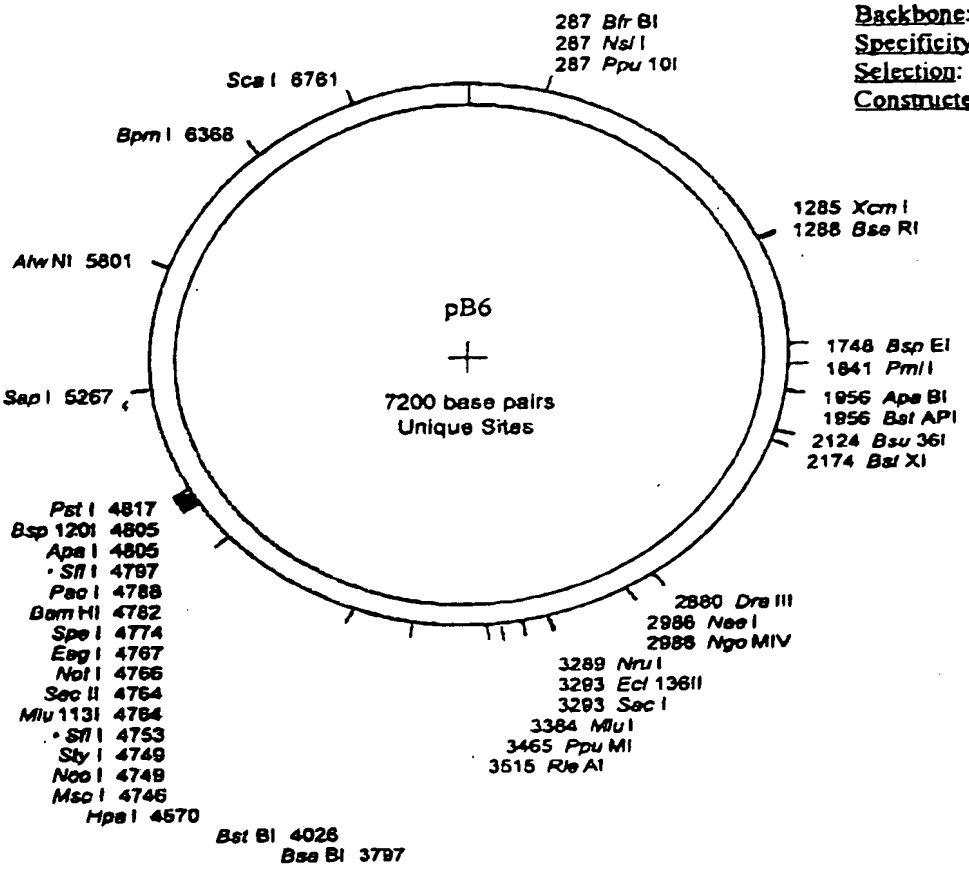
AGC TAA TT ccgggcgaatttcttatg

Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'
Oligo 161 5' CATAAGAAATTCGCCCGG 3'

FIGURE 2

pB6

Application: 2HY (bait)
Backbone: pAS2DD
Specificity: Sfi oriented
Selection: ampicillin
Constructed by: SW



Oligo 160

gagagtagtaacaaaggtcAAAGACAGTTGACTGTATCGCCG GAA TTT ATG

Sfi I — Sac II — Spe I — Bam HI

GCC ATG GCC GGA CGG GCC GCG GCC GCA CTA GTG GGG ATC C

Nco I — Not I

STOP — Sfi I — Apa I — Pst I

TT AAT TAA GGG CCA CTG GGG CCC CTC GAC CTG CAG CCA

Pac I

Oligo 161

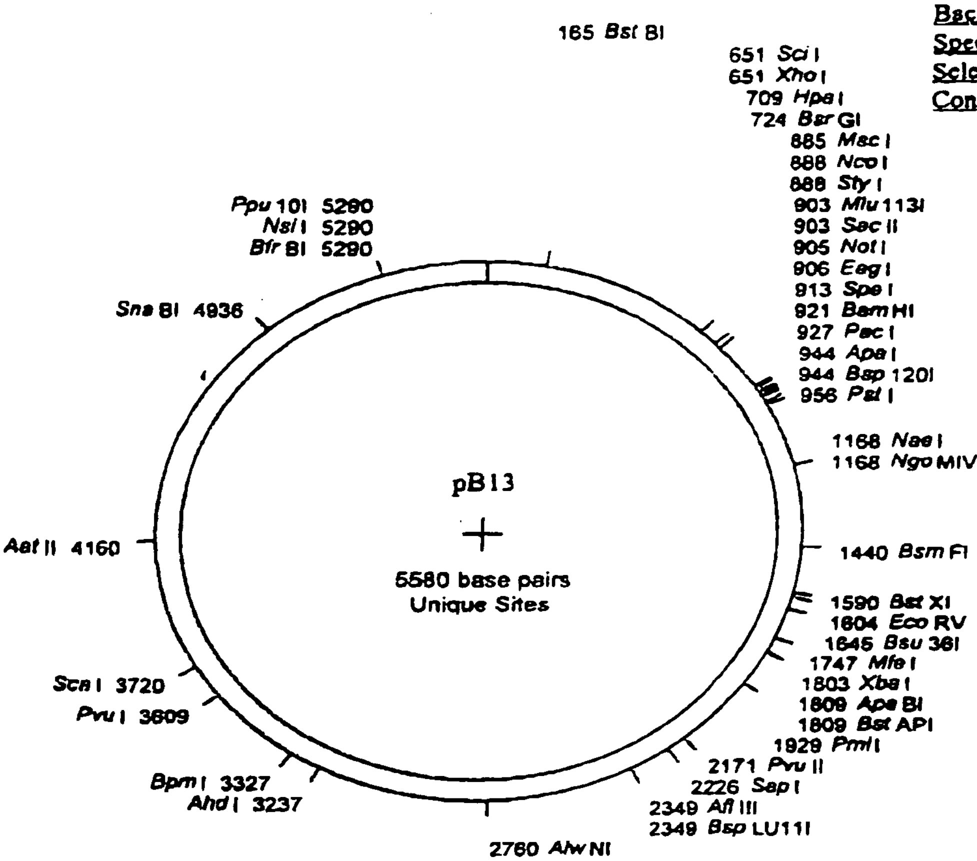
AGC TAA TTccgggcgaatttcttatg

Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'
Oligo 161 5' CATAAGAAATTCGCCCGG 3'

FIGURE 3

pB13

Alias: pGBT9NS1
Application: 2HY (bait)
Backbone: pGBT9
Specificity: Sfi non-oriented
Selection: ampicillin
Constructed by: CR


165 Bst BI
651 Sci I
651 Xho I
709 Hpa I
724 Bsr GI
885 Msc I
888 Nco I
888 Sty I
903 Mlu 113I
903 Sac II
905 Not I
906 Eag I
913 Spe I
921 Bam HI
927 Pac I
944 Apa I
944 Bsp 120I
956 Pst I
1168 Nae I
1168 Ngo MIV
1440 Bsm FI
1590 Bst XI
1604 Eco RV
1645 Bsu 36I
1747 Mfe I
1803 Xba I
1809 Ape BI
1809 Bst API
1929 Pml I
2171 Pvu II
2226 Sap I
2349 Afl III
2349 Bsp LU11I
2760 Alw NI
Ahd I 3237
Bpm I 3327
Pvu I 3609
Sca I 3720
Aat II 4160
Sna BI 4936
Bfr BI 5290
Nsi I 5290
Ppu 10I 5290
pB13
5580 base pairs
Unique Sites

Oligo 160

[gagagtagtaacaaaggtc] AAAGACAGTTGACTGTATCGCCG GAA TTT ATG

Sfi I — Sac II — Spe I — Bam HI

GCC ATG GCC GCA GGG GCC GCG GCC GCA CTA GTG GGG ATC C

Nco I — Not I

STOP — Sfi I — Pst I

TT AAT [TAA] GGG CCA CTG GGG CCC CTC GAC CTG CAG CCA

Pac I

Oligo 161

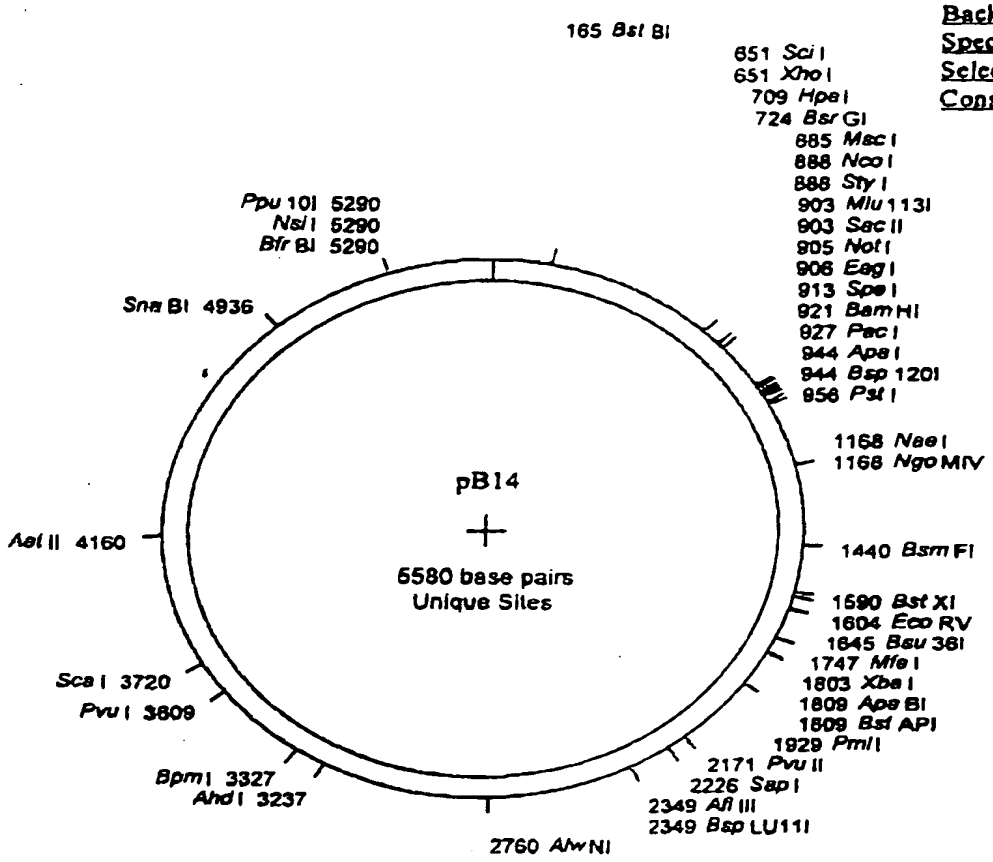
AGC TAA TT [ccgggcgaatttcttatg]

Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'
Oligo 161 5' CATAAGAAATTCGCCCGG 3'

FIGURE 4

pB14

Alias: pGBT9NS2
Application: 2HY (bait)
Backbone: pGBT9
Specificity: Sfi oriented
Selection: ampicillin
Constructed by: CR



Oligo 160

gagagtagtaacaaaggtc AAAGACAGTTGACTGTATCGCCG GAA TTT ATG

Sfi I **Sac II** **Spe I** **Bam HI**

GCC ATG GCC GGA CGG GCC GCG GCC GCA CTA GTG GGG ATC C

Nco I **Not I**

STOP **Sfi I** **Apa I** **Pst I**

TT AAT TAA GGG CCA CTG GGG CCC CTC GAC CTG CAG CCA

Pac I

Oligo 161

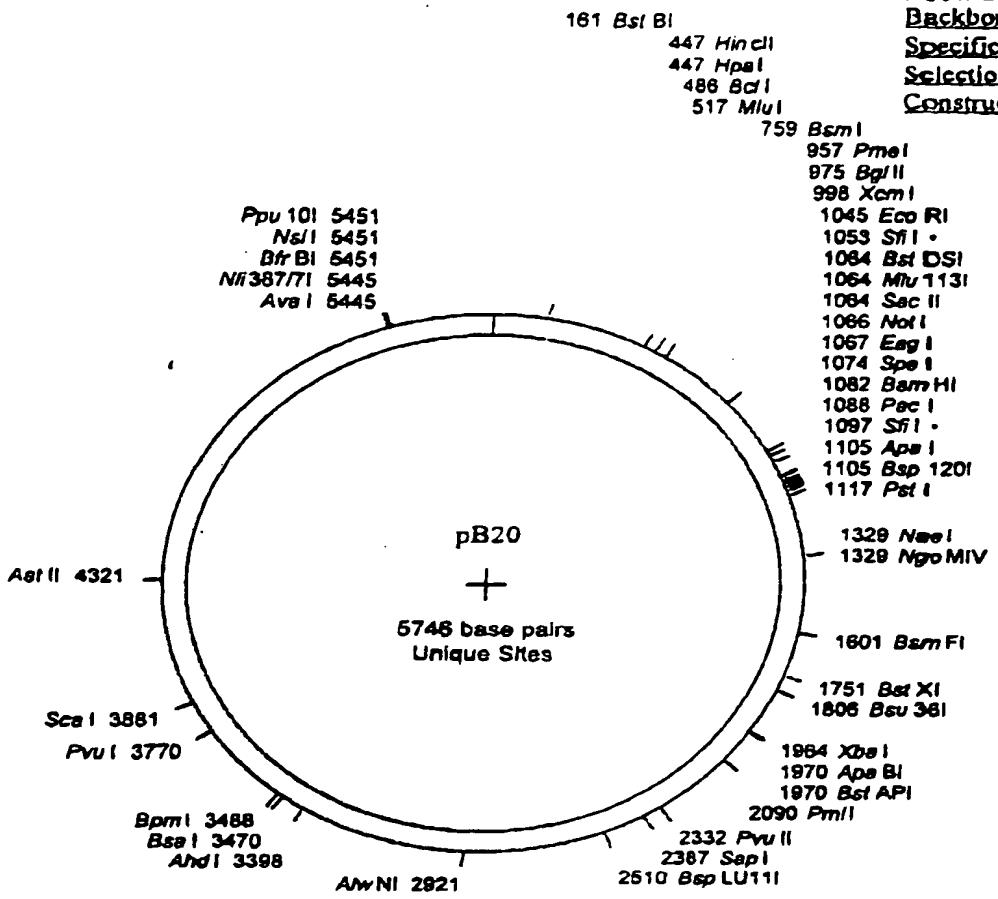
AGC TAA TT ccgggcgaatttcttatg

Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'
Oligo 161 5' CATAAGAAATTCGCCCGG 3'

FIGURE 5

pB20

Alias: pLex10NS2
Application: 2HY (bait)
Backbone: pLex10 (pB9)
Specificity: Sfi-oriented
Selection: ampicillin
Constructed by: LD



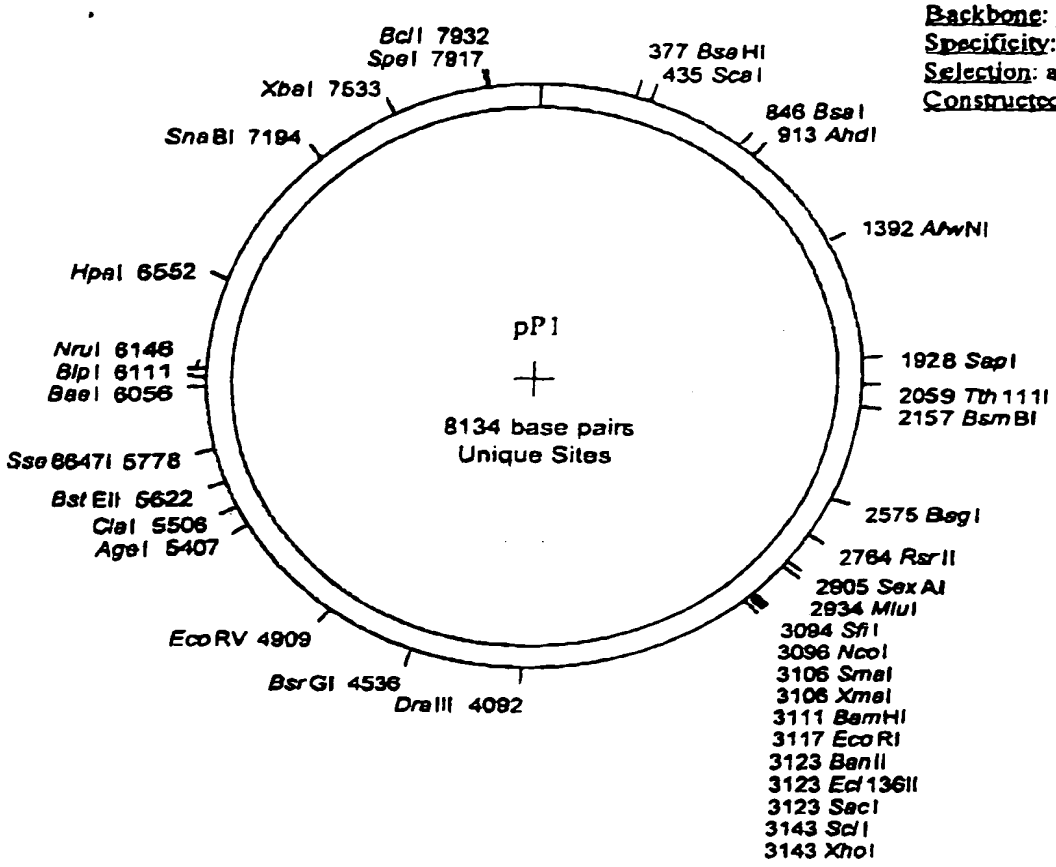
EcoR I			Sfi I						Not I			Spe I			BamH I		
GAA	TTC	GGG	GCC	GGA	CGG	GCC	GCG	GCC	GCA	CTA	GTG	GGG	ATC	C			
							Sac II										

	STOP																
TT	AAT	TAA	GGG	CCA	CTG	GGG	CCC	CTC	GAC	CTG	CAG						
Pac I			Sfi I							Pst I							

FIGURE 6

pP1

Alias : pACTIIst
Application: 2HY (prey)
Backbone: pACTII
Specificity:
Selection: ampicillin
Constructed by:



ABS1

cgtttggaatcactacagg GATGTTTAATACCACTACAATGGATGATGTATATAACTATCTATT

JC90

cgatgatgaagataccccaccaaa CCCAAAAAAAAGAGATCTGTATGGCTTACCCATACGATGTTCCAG

Bgl II

Sfi I **Sma I** **BamH I**

ATTACGCTAGCTTGGGTGGTCATATGGCC ATG GAG GCC CCG GGG ATC CGA ATT

Nco I

Sac I **Xho I** **Bgl II**

CGA GCT CGA CTA GCT AGC TGA CTC GAG AGA TCT ATGAAT

cgtagatactgaaaaaccoc GCAAGTT cacttcaactgtgcatcgtg caccatctcaatttc

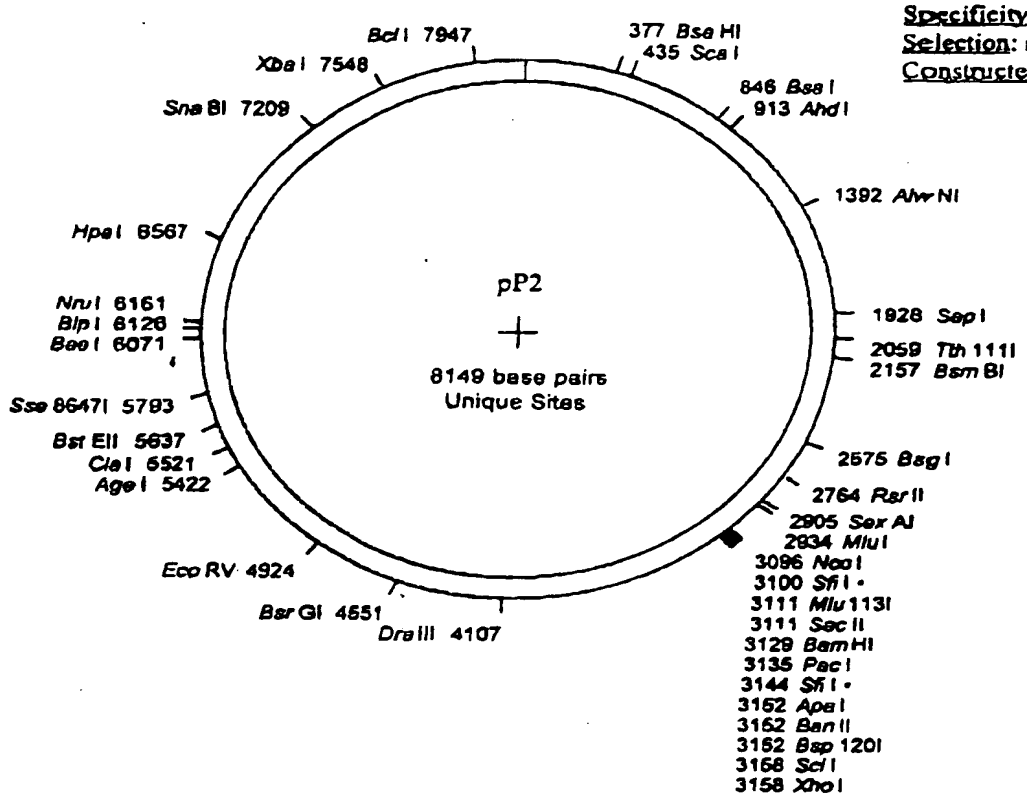
162 **ABS2** **53**

ABS1 5' CGTTTGGAATCACTACAGG 3'
JC90 5' CGATGATGAAGATACCCCACCAAA 3'
162 5' GGGGTTTTTCAGTATCTACG 3'
ABS2 5' CACGATGCACAGTTGAAGTG 3'
53 5' GAAATTGAGATGGTGCACGATGCAC 3'

FIGURE 7

pP2

Application: 2HY (prey)
Backbone: pACTIIst
Specificity:Sfi non-oriented
Selection: ampicillin
Constructed by:SW



pACTII-3HF+GOI

ABS1

CG cgtttggaatcactacagg GATGTTTAATACCACTACAATGGATGATGTATATAACTATCTATT

JC90 Bgl II

cgatgatgaagataccccaccaaa CCCAAAAAAAAGAGATCTGTATGGCTTACCCATACGATGTTCCAG

Sfi I Sac II

ATTACGCTAGCTTGGGTGGTCATATGGCC ATG GCC GCA GGG GCC GCG GCC GCA

Nco I

BamH I Pac I

CTA GTG GGG ATC CTT AAT TAA GGG CCA CTG GGG CCC CTC GAG AGA TCT

Stop

ATGAAT cgtagatactgaaaaacccc GCAAGTT cacttcaactgtgcatcgtg caccatctcaatttc

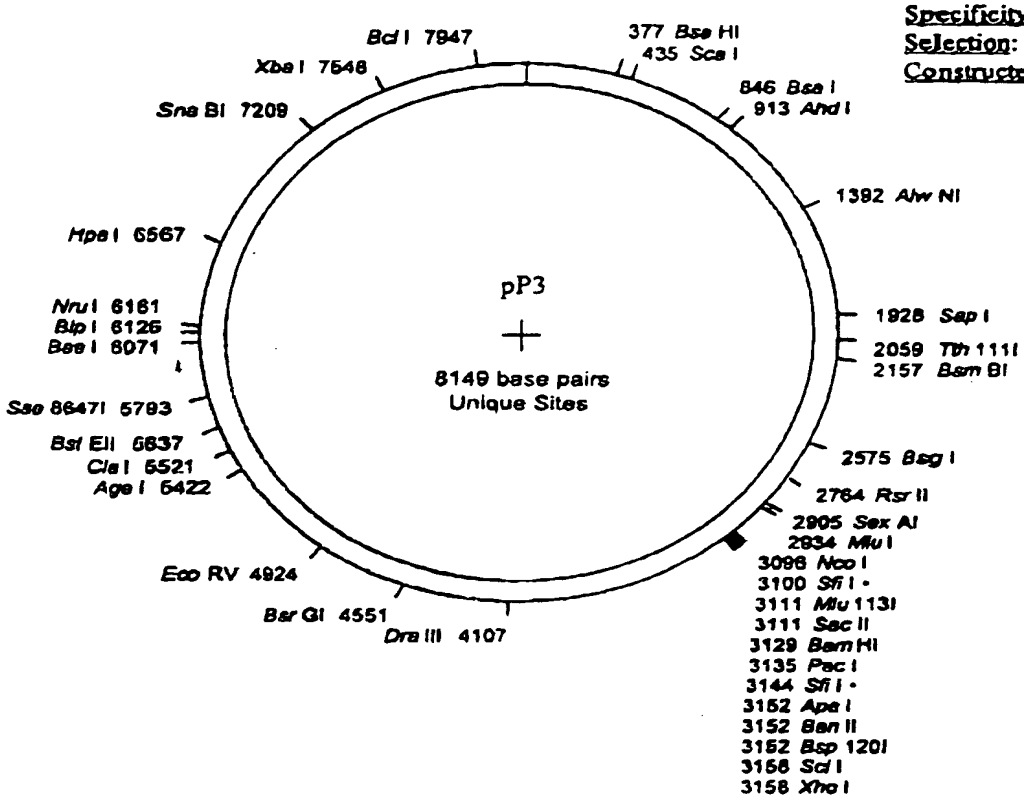
162 ABS2 53

ABS1 5' CGTTTGGAATCACTACAGG 3'
JC90 5' CGATGATGAAGATACCCCACCAAA 3'
162 5' GGGGTTTTTCAGTATCTACG 3'
ABS2 5' CACGATGCACAGTTGAAGTG 3'
53 5' GAAATTGAGATGGTGCACGATGCAC 3'

FIGURE 8

pP3

Application: 2HY (prey)
Backbone: pACTIIst
Specificity:Sfi oriented
Selection: ampicillin
Constructed by:SW



ABS1

CG cgtttggaatcactacagg GATGTTTAATACCACTACAATGGATGATGTATATAACTATCTATT

JC90

cgatgatgaagataccccaccaaa

Bgl II

CCCAAAAAAAAGAGATCTGTATGGCTTACCCATACGATGTTCCAG

Sfi I Sac II

ATTACGCTAGCTTGGGTGGTCATATGGCC ATG GCC GGA CGG GCC GCG GCC GCA

Nco I

BamH I Pac I

CTA GTG GGG ATC CTT AAT TAA GGG CCA CTG GGG CCC CTC GAG AGA TCT

Stop

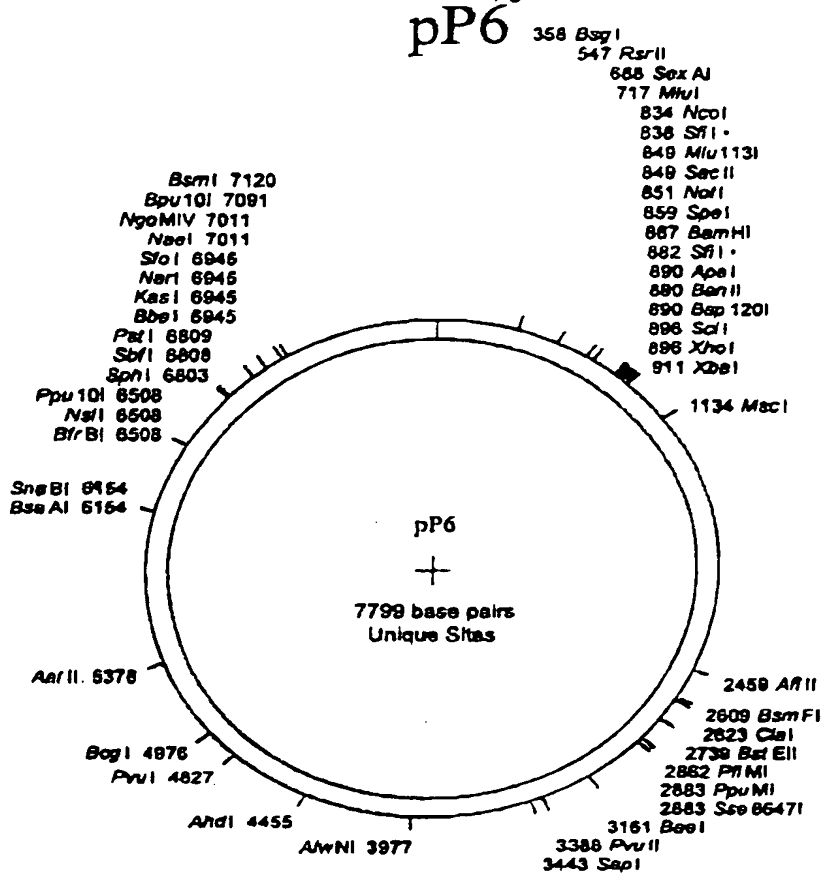
ATGAAT cgtagatactgaaaaacccc GCAAGTT cacttcaactgtgcatcgtg caccatctcaatttc

162 ABS2 53

ABS1 5' **CGTTTGGAATCACTACAGG** 3'
JC90 5' **CGATGATGAAGATACCCCACCAAA** 3'
162 5' **GGGGTTTTTCAGTATCTACG** 3'
ABS2 5' **CACGATGCACAGTTGAAGTG** 3'
53 5' **GAAATTGAGATGGTGCACGATGCAC** 3'

FIGURE 9

pP6


358 BsgI
547 RsrII
688 SexAI
717 MluI
834 NcoI
838 SfiI •
849 Mlu113I
849 SacII
851 NotI
859 SpeI
867 BamHI
882 SfiI •
890 ApaI
890 BanII
890 Bsp120I
896 SciI
896 XhoI
911 XbaI
1134 MscI
2459 AflII
2609 BsmFI
2623 ClaI
2739 BstEII
2862 PflMI
2883 PpuMI
2883 Sse8647I
3161 BaeI
3388 PvuII
3443 SapI
AlwNI 3977
AhdI 4455
PvuI 4827
BcgI 4976
AatII 5378
BsaAI 6164
SnaBI 6164
BfrBI 6508
NsiI 6508
Ppu10I 6508
SphI 6803
SbfI 6808
PstI 6809
BbeI 6945
KasI 6945
NarI 6946
SfoI 6946
NaeI 7011
NgoMIV 7011
Bpu10I 7091
BsmI 7120
pP6
7799 base pairs
Unique Sites

Alias: pGAD3S2XNS1
Application: 2HY (prey)
Backbone: pGAD3S2X
Specificity: Sfi non-oriented
Selection: ampicillin
Constructed by: SW

ABS1

[cgtttggaatcactacagg] GATGTTTAATACCACTACAATGGATGATGTATATAACTATCTATT

JC90

[cgatgatgaagataccccaccaaa] CCCAAAAAAAGAGATCCTAGAACTA

Sfi I — **Sac II** — **Spe I** — **Bam HI**

GCC ATG GCC GCA GGG GCC GCG GCC GCA CTA GTG GGG ATC C

Nco I — **Not I**

STOP — **Sfi I** — **Xho I** — **Xba I**

TT AAT [TAA] GGG CCA CTG GGG CCC CTC GAG [TAG] C[TA G]TG TC[T AG]A

STOP **STOP** **STOP**

GGCCCGGTACCCAATTCGCCCTATAGTGAGTCGTATTACAATTCACTGGCCG TCGTTTTA

CAACGTCGTGACTGGGAAAACCCTGATCTATGAAT [cgtagatactgaaaaacccc] GCAA

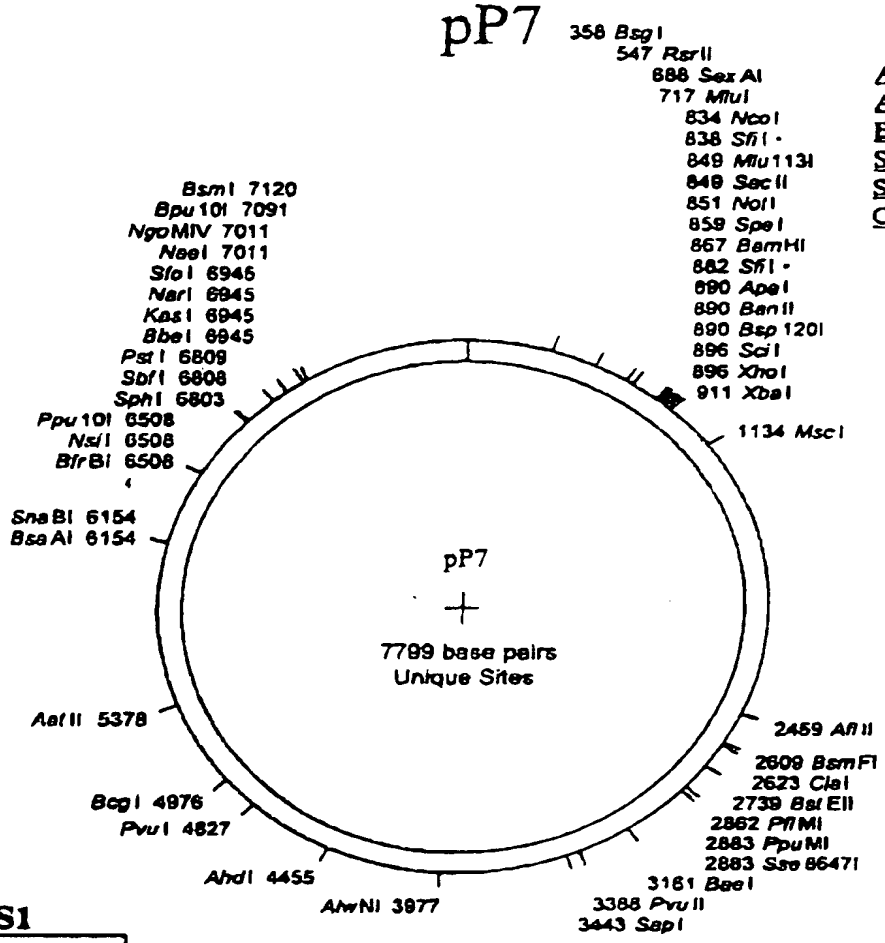
162

GTT [cacttcaact[gtgcatcgtg] caccatctcaatttctttc]

ABS2 **53**

ABS1 5' CGTTTGGAATCACTACAGG 3'
JC90 5' CGATGATGAAGATACCCCACCAAA 3'
162 5' GGGGTTTTTCAGTATCTACG 3'
ABS2 5' CACGATGCACAGTTGAAGTG 3'
53 5' GAAATTGAGATGGTGCACGATGCAC 3'

FIGURE 10



Alias: pGAD3S2XNS2
Application: 2HY (prey)
Backbone: pGAD3S2X
Specificity: Sfi oriented
Selection: ampicillin
Constructed by: SW

pGAD3S2X-ORF

ABS1

cgtttggaatcactacagg GATGTTTAATACCACTACAATGGATGATGTATATAACTATCTATT

JC90

cgatgatgaagataccccaccaaa CCCAAAAAAAAGAGATCCTAGAACTA

Sfi I **Sac II** **Spe I** **Bam HI**

GCC ATG GCC GGA CGG GCC GCG GCC GCA CTA GTG GGG ATC C

Nco I **Not I**

STOP **Sfi I** **Xho I** **Xba I**

TT AAT TAA GGG CCA CTG GGG CCC CTC GAG TAG CTA GTG TCT AGA

STOP **STOP** **STOP**

GGCCCGGTACCCAATTCGCCCTATAGTGAGTCGTATTACAATTCACTGGCCGTCGTTTTA

CAACGTCGTGACTGGGAAAACCCTGATCTATGAAT cgtagatactgaaaaaccccc GCAA

162

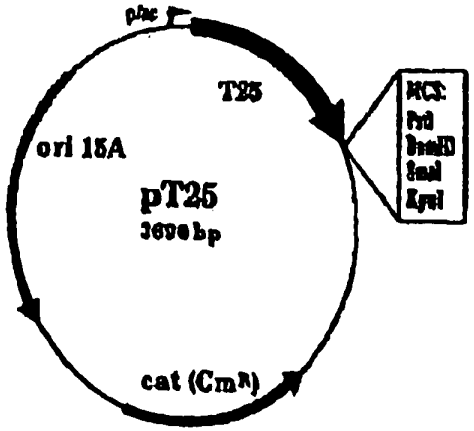
GTT cacttcaactgtgcatcgtg caccatctcaatttcttt

ABS2 **53**

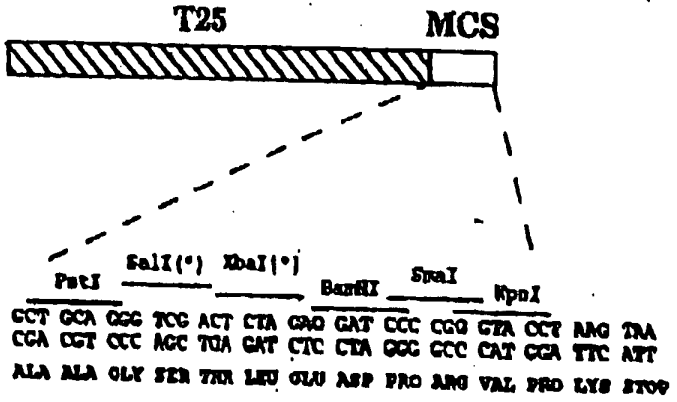
ABS1 5' CGTTTGGAATCACTACAGG 3'
JC90 5' CGATGATGAAGATACCCCACCAAA 3'
162 5' GGGGTTTTTCAGTATCTACG 3'
ABS2 5' CACGATGCACAGTTGAAGTG 3'
53 5' GAAATTGAGATGGTGCACGATGCAC 3'

FIGURE 11

VECTORS EXPRESSING THE T25 FRAGMENT

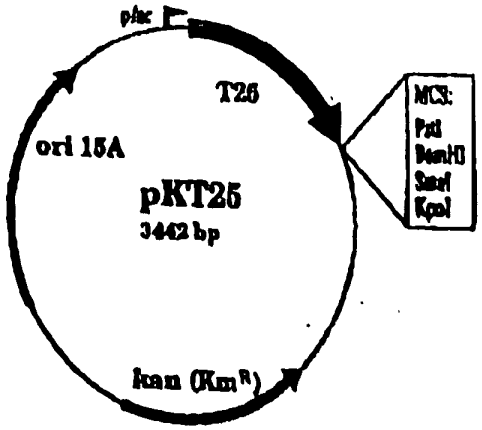


Derivative of pACYC184

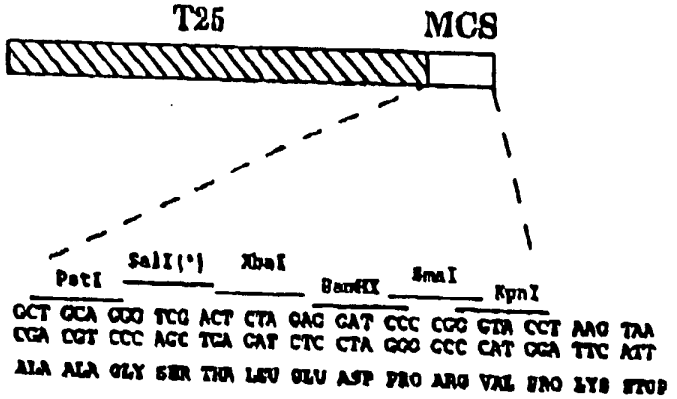


(*) Restriction sites are not unique

FIGURE 12



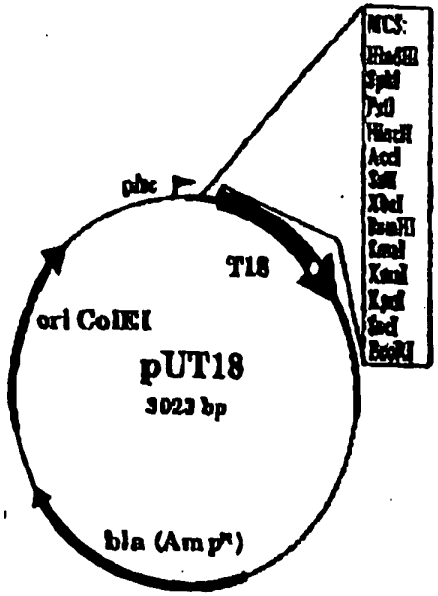
Derivative of pSU40

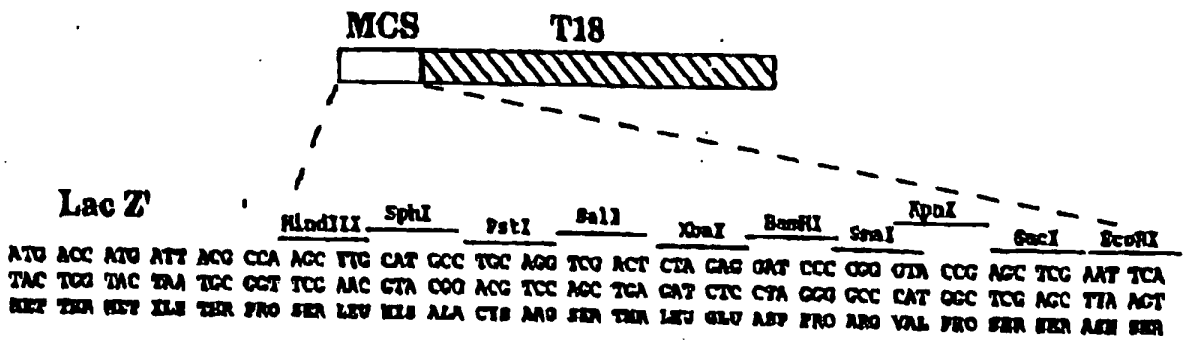


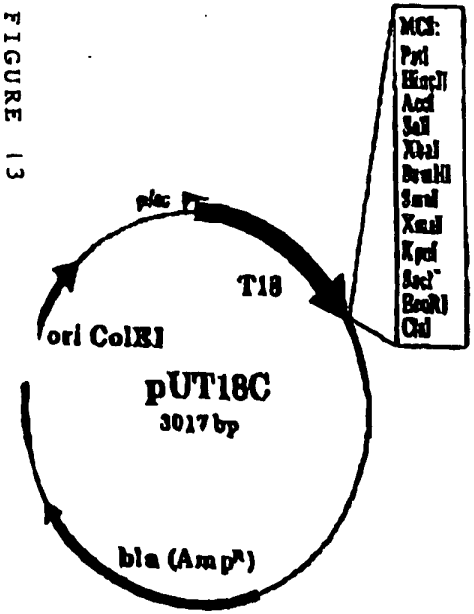
(*) Restriction site is not unique

FIGURE 12

VECTORS EXPRESSING THE T18 FRAGMENT







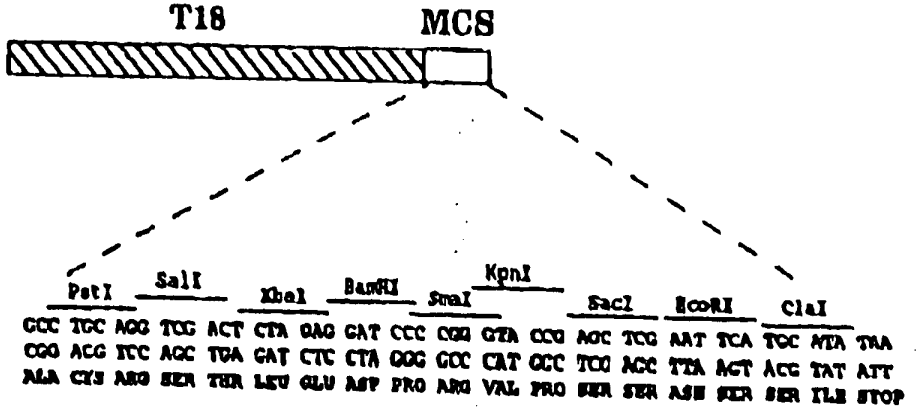
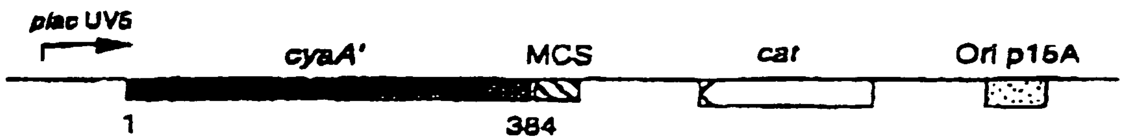
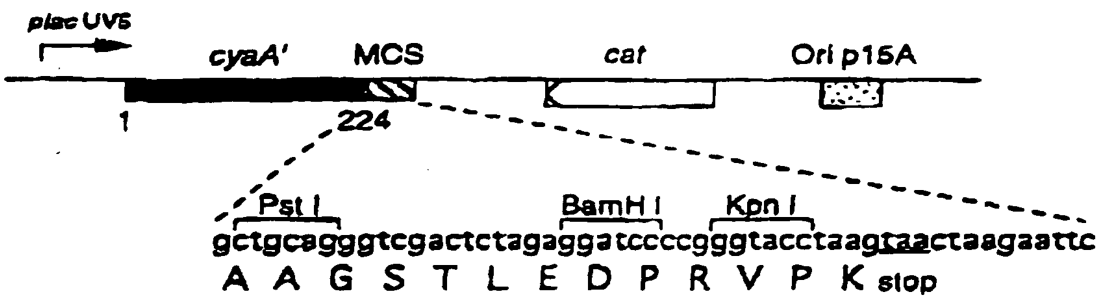


FIGURE 13

pCmAHL1



pT25



pT18

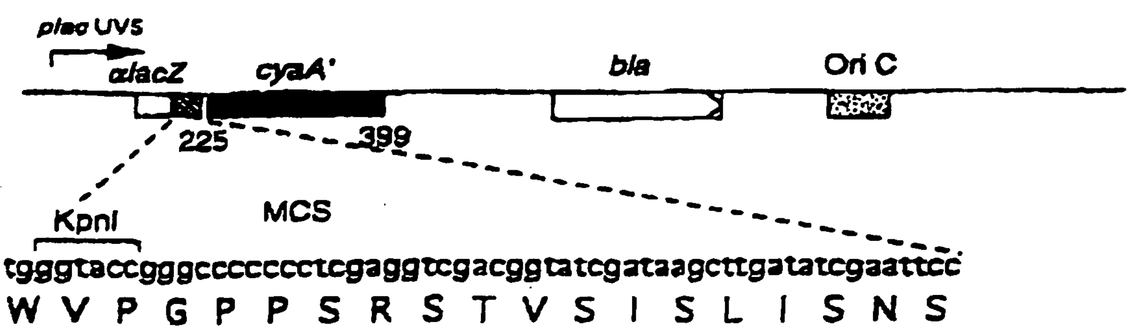


FIGURE 14

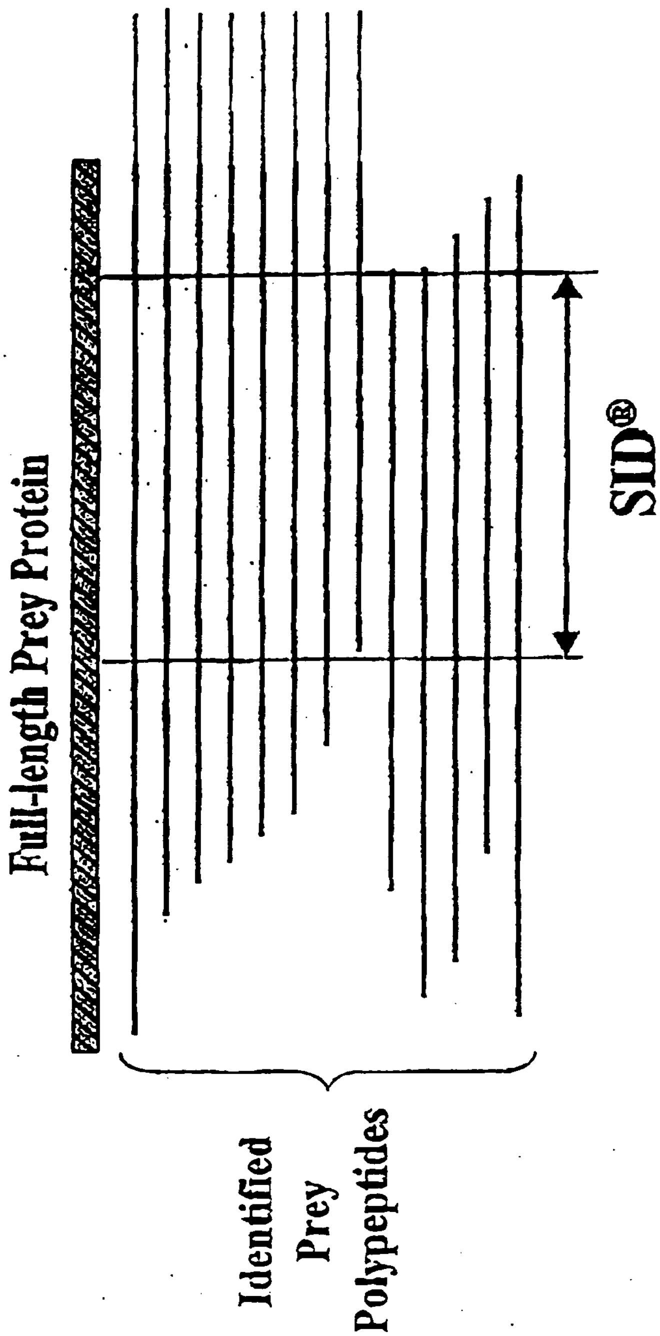


Figure 15 : schematic representation of SID® determination

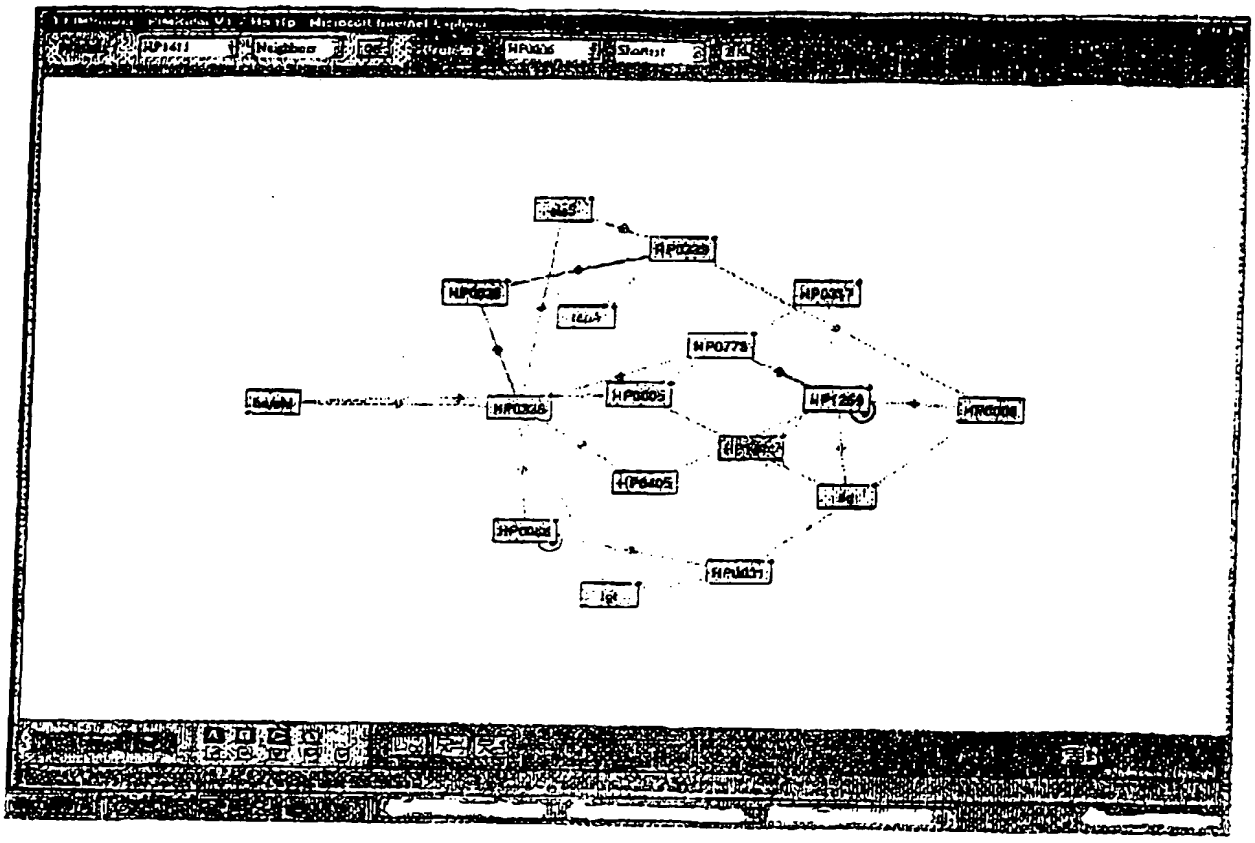


Figure 16 : Example of Protein Interaction Map